

ECS/EMD Configuration Change Request

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Page(s)

1. Originator Robert Cole	2. Log Date: 02/25/04	3. CCR #: 04-0125	4. Rev: —	5. Tel: 301.925.0799	6. Rm #: 3109F	7. Org. COTS/HW
8. CCR Title: Install new disk shelf in NSIDC Datapool RAID						
9. Originator Signature/Date Robert Cole /s/ 2/25/04			10. Class II	11. Type: CCR	12. Need Date: 03/15/04	
13. CCR Sponsor Signature/Date Pamela Johnson /s/ 2/25/04			14. Category of Change: Update ECS/EMD Baseline Doc		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted (Review and submit checklist): 922-TDN-044, 920-TDN-001			17. Schedule Impact:		18. CI(s) Affected: SANHW	
19. Release Affected by this Change:		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other:						
23. Problem: (use additional Sheets if necessary) A new disk shelf has been procured for the NSIDC Data Pool which needs to be installed and configured.						
24. Proposed Solution: (use additional sheets if necessary) See next sheet.						
25. Alternate Solution: (use additional sheets if necessary) None						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) The DAAC will be unable to utilize the additional storage						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. SCDV CCB Chair (Sign/Date): Byron Peters /s/ 02/26/04			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. EDF CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

ADDITIONAL SHEET

CCR #: 04-0125 **Rev:— Originator:**

Telephone: **Office:**

Title of Change:

1. Have STK install the new disk shelf into the D178 Datapool RAID.
2. Configure the new drives for additional QFS devices. Note that a minimum of 1 additional mm device will be required.
3. Reboot the Datapool Sun hosts with the -r option to build OS devices for the new disk devices. Execute scsiha and ioconfig on the Irix Datapool hosts to create OS devices for the new disk devices.
4. Unmount the /datapool filesystem from all clients and stop the sanergy daemon on all clients that are fused (run S97Sanergy stop in /etc/init.d on Irix clients and S97sanergysun stop in /etc/rc2.d on n0dps01)
5. Unshare the /datapool filesystem on the NFS server (n0sas01).
6. Unmount the /datapool filesystem on n0sas01.
7. Edit /etc/opt/LSCsamfs/mcf. Add additional mr devices for the new data LUNs and an mm device for the new metadata LUN using unique ordinal numbers.
8. Execute the samgrowfs command using the filesystem volume name qfs2

Example ==> /opt/LSCsamfs/sbin/samgrowfs qfs2
9. Mount and share /datapool on n0sas01
10. Mount all /datapool NFS clients and re-start the sanergy daemons.